INTERNATIONAL SEARCH REPORT

International Application No PCT/BG2004/000003

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01Q3/04 H01C H01Q21/06 H01Q3/30 H01Q3/08 H01Q3/26 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01Q Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category 9 Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. χ US 6 191 734 B1 (LEE SEONG PAL ET AL) 1-50 20 February 2001 (2001-02-20) column 7, line 33 - column 9, line 19; figures 1-5 SOON IK JEON ET AL: "Active phased array Α 1 antenna for mobile multimedia services via 2000 IEEE AEROSPACE CONFERENCE, vol. 5, 18 March 2000 (2000-03-18), pages 165-170, XP010517164 PISCATAWAY, USA section antenna design US 5 210 542 A (PETT TODD A ET AL) Α 1 - 5011 May 1993 (1993-05-11) column 4, line 42 - column 9, line 34: figures 2.3 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docu-ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 15 July 2004 27/07/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Van Dooren, G Fax: (+31-70) 340-3016

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датчиците на пространствено движение. Този блок осъществява и управлението на механичното завъртане на въртящата се част, осигурявайки следенето в азимутална равнина.

Приложение на изобретението

Антенната система съгласно изобретението е приложима в случаите, когато е необходима нископрофилна мобилна антена за приемане на спътникови сигнали с различни поляризации върху движеща се платформа. Антенната система може да работи с конвенционален сателитен приемник като управлението й може да става чрез него или отделен управляващ блок. Системата може да предлага всички съвременни услуги, разпространявани чрез геостационарен спътник, включително цифров телевизионен сигнал или друг еквивалентен цифров поток от данни. Високата плътност на редовете осигурява малки ъгли на следене по елевация, което прави системата използваема еднакво успешно в широки географски райони, като например цялата територия на САЩ или Европа.